

Listing of the Claims:

The following Listing of the Claims is to replace all previous listings of the claims.

1. (PREVIOUSLY PRESENTED) An isolated protein comprising an amino acid sequence of SEQ ID NO: 1 or an amino acid sequence having at least about 95% sequence identity thereto, wherein mutations in the sequences having at least about 95% sequence identity are located in a sequence portion selected from the group consisting of:
  - a) the N-terminal fragment of 330 amino acids or less, including the catalytic region, and
  - b) the C-terminal fragment of 413 amino acids or less, including a regulatory domain, and wherein the protein inhibits neurite retraction in a statistically significant manner in an LPA-induced neurite retraction assay.
2. (CANCELLED)
- 3-20. (CANCELLED)
21. (PREVIOUSLY PRESENTED) A pharmaceutical composition for the treatment of neuronal injuries or diseases comprising a protein according to claim 1 and if needed suitable auxiliary substances and/or additives.
- 22-29. (CANCELLED)
30. (WITHDRAWN; CURRENTLY AMENDED) A method of diagnosing a disease or disease state using the protein of claim 1 as a diagnostic marker comprising the step of detecting the presence, the absence, or the amount of the protein of claim 1 by RT-PCR and/or Northern blot immunological methods.
31. (WITHDRAWN) The method of claims 30 wherein said disease is a neuronal disease, a tumor disease or infertility.
32. (WITHDRAWN; CURRENTLY AMENDED) A method of diagnosing a disease or disease state using the protein of claim 1 as a diagnostic marker comprising the step of detecting the

presence, the absence, or the amount of nucleic acid ~~of claim 3~~ encoding a protein according to claim 1 by in situ immunofluorescence or in situ Northern blots.

33. (WITHDRAWN) The method of claim 32 wherein said disease is neuronal disease, a tumor disease or infertility.